

# Transcriptional Regulation by Nrf2

Antioxidants and Redox Signaling

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Cigarette Smoke Regulates the Competitive Interactions between NRF2 and BACH1 for Heme Oxygenase-1 Induction. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2386.	1.8	11
2	Potential impact of oxidative stress induced growth inhibitor 1 (OSGIN1) on airway epithelial cell autophagy in chronic obstructive pulmonary disease (COPD). <i>Journal of Thoracic Disease</i> , 2017, 9, 4825-4827.	0.6	24
3	The Double-Edged Sword Profile of Redox Signaling: Oxidative Events As Molecular Switches in the Balance between Cell Physiology and Cancer. <i>Chemical Research in Toxicology</i> , 2018, 31, 201-210.	1.7	56
4	Redox Imbalance in Intestinal Fibrosis: Beware of the TGF $\beta$ <sup>2</sup> -1, ROS, and Nrf2 Connection. <i>Digestive Diseases and Sciences</i> , 2018, 63, 312-320.	1.1	48
5	Cancer-Specific Biomarker hNQO1-Activatable Fluorescent Probe for Imaging Cancer Cells In Vitro and In Vivo. <i>Cancers</i> , 2018, 10, 470.	1.7	16
6	Regulation of Nrf2 by X Box-Binding Protein 1 in Retinal Pigment Epithelium. <i>Frontiers in Genetics</i> , 2018, 9, 658.	1.1	17
7	Metabolic Dependencies in Pancreatic Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 617.	1.3	60
8	RPA1 binding to NRF2 switches ARE-dependent transcriptional activation to ARE-NRE $\alpha$ -dependent repression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10352-E10361.	3.3	39
9	Methylseleninic Acid Sensitizes Ovarian Cancer Cells to T-Cell Mediated Killing by Decreasing PDL1 and VEGF Levels. <i>Frontiers in Oncology</i> , 2018, 8, 407.	1.3	16
10	The Role of Nrf2 in the Response to Normal Tissue Radiation Injury. <i>Radiation Research</i> , 2018, 190, 99.	0.7	46
11	The Crosstalk between Nrf2 and Inflammasomes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 562.	1.8	162
12	Targeted therapy of esophageal squamous cell carcinoma: the NRF2 signaling pathway as target. <i>Annals of the New York Academy of Sciences</i> , 2018, 1434, 164-172.	1.8	33
13	A Comparative Assessment Study of Known Small-Molecule Keap1 $\sim$ Nrf2 Protein $\alpha$ -Protein Interaction Inhibitors: Chemical Synthesis, Binding Properties, and Cellular Activity. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8028-8052.	2.9	66
14	Protection of Male Rat Offspring against Hypertension Programmed by Prenatal Dexamethasone Administration and Postnatal High-Fat Diet with the Nrf2 Activator Dimethyl Fumarate during Pregnancy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3957.	1.8	28
15	Triptolide antagonizes triptolide-induced nephrocyte apoptosis via inhibiting oxidative stress in vitro and in vivo. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109232.	2.5	19
16	Auraptene Mitigates Parkinson $\alpha$ 's Disease-Like Behavior by Protecting Inhibition of Mitochondrial Respiration and Scavenging Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3409.	1.8	16
17	Regulation of Proteasome Activity by (Post-)transcriptional Mechanisms. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 48.	1.6	69
18	CPIUY192018, a potent inhibitor of the Keap1-Nrf2 protein-protein interaction, alleviates renal inflammation in mice by restricting oxidative stress and NF- $\kappa$ B activation. <i>Redox Biology</i> , 2019, 26, 101266.	3.9	93

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19	Oxygen Toxicity in the Neonate. <i>Clinics in Perinatology</i> , 2019, 46, 435-447.	0.8	14
20	Tanshinone I Induces Mitochondrial Protection by a Mechanism Involving the Nrf2/GSH Axis in the Human Neuroblastoma SH-SY5Y Cells Exposed to Methylglyoxal. <i>Neurotoxicity Research</i> , 2019, 36, 491-502.	1.3	10
21	Hyaluronan-CD44 axis orchestrates cancer stem cell functions. <i>Cellular Signalling</i> , 2019, 63, 109377.	1.7	91
22	Evolution Shapes the Gene Expression Response to Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3040.	1.8	43
23	Self-defense of macrophages against oxidative injury: Fighting for their own survival. <i>Redox Biology</i> , 2019, 26, 101261.	3.9	75
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25	Epigenetic treatment of dermatologic disorders. <i>Drug Development Research</i> , 2019, 80, 702-713.	1.4	1
26	Evaluation of the protective effects of curcumin and nanocurcumin against lung injury induced by sub-acute exposure to paraquat in rats. <i>Toxin Reviews</i> , 2021, 40, 1233-1241.	1.5	28
27	G-quadruplexes Sequester Free Heme in Living Cells. <i>Cell Chemical Biology</i> , 2019, 26, 1681-1691.e5.	2.5	58
28	UGCG influences glutamine metabolism of breast cancer cells. <i>Scientific Reports</i> , 2019, 9, 15665.	1.6	23
29	Caffeine May Abrogate LPS-Induced Oxidative Stress and Neuroinflammation by Regulating Nrf2/TLR4 in Adult Mouse Brains. <i>Biomolecules</i> , 2019, 9, 719.	1.8	66
30	GSTZ1 deficiency promotes hepatocellular carcinoma proliferation via activation of the KEAP1/NRF2 pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 438.	3.5	40
31	The Role of MicroRNAs in Diabetes-Related Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5423.	1.8	19
32	Limited Oxidative Stress Favors Resistance to Skeletal Muscle Atrophy in Hibernating Brown Bears ( <i>Ursus Arctos</i> ). <i>Antioxidants</i> , 2019, 8, 334.	2.2	15
33	Can Nrf2 Modulate the Development of Intestinal Fibrosis and Cancer in Inflammatory Bowel Disease?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4061.	1.8	33
34	Oral delivery of nanoparticle urolithin A normalizes cellular stress and improves survival in mouse model of cisplatin-induced AKI. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1255-F1264.	1.3	32
35	Emerging Screening Approaches in the Development of Nrf2-Keap1 Protein-Protein Interaction Inhibitors. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4445.	1.8	39
36	Tumors with TSC mutations are sensitive to CDK7 inhibition through NRF2 and glutathione depletion. <i>Journal of Experimental Medicine</i> , 2019, 216, 2635-2652.	4.2	20

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37	S-Nitrosylation: An Emerging Paradigm of Redox Signaling. <i>Antioxidants</i> , 2019, 8, 404.	2.2	112
38	Bioactivation of Napabucasin Triggers Reactive Oxygen Species-Mediated Cancer Cell Death. <i>Clinical Cancer Research</i> , 2019, 25, 7162-7174.	3.2	46
39	N-Acetylcysteine prevents the decreases in cardiac collagen I/III ratio and systolic function in neonatal mice with prenatal alcohol exposure. <i>Toxicology Letters</i> , 2019, 315, 87-95.	0.4	9
40	The Human Transient Receptor Potential Melastatin 2 Ion Channel Modulates ROS Through Nrf2. <i>Scientific Reports</i> , 2019, 9, 14132.	1.6	18
41	CTRP3 inhibits high glucose-induced oxidative stress and apoptosis in retinal pigment epithelial cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 3758-3764.	1.9	27
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43	Deciphering the in vivo redox behavior of human peroxiredoxins I and II by expressing in budding yeast. <i>Free Radical Biology and Medicine</i> , 2019, 145, 321-329.	1.3	6
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45	Angiogenic Factor AGGF1-Primed Endothelial Progenitor Cells Repair Vascular Defect in Diabetic Mice. <i>Diabetes</i> , 2019, 68, 1635-1648.	0.3	19
46	Safe coordinated trafficking of heme and iron with copper maintain cell homeostasis: modules from the hemopexin system. <i>BioMetals</i> , 2019, 32, 355-367.	1.8	9
47	Tissue-specific role of Nrf2 in the treatment of diabetic foot ulcers during hyperbaric oxygen therapy. <i>Free Radical Biology and Medicine</i> , 2019, 138, 53-62.	1.3	44
48	LKB1 and KEAP1/NRF2 Pathways Cooperatively Promote Metabolic Reprogramming with Enhanced Glutamine Dependence in KRAS-Mutant Lung Adenocarcinoma. <i>Cancer Research</i> , 2019, 79, 3251-3267.	0.4	196
49	Astrocytes Do Not Forfeit Their Neuroprotective Roles After Surviving Intense Oxidative Stress. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 87.	1.4	27
50	Critical Role of Nrf2 in Experimental Ischemic Stroke. <i>Frontiers in Pharmacology</i> , 2019, 10, 153.	1.6	102
51	Hydrogen sulfide ameliorates disorders in the parafacial respiratory group region of neonatal rats caused by prenatal cigarette smoke exposure via an antioxidative effect. <i>Environmental Toxicology and Pharmacology</i> , 2019, 68, 80-90.	2.0	2
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56	Chronic mild Hyperhomocysteinemia impairs energy metabolism, promotes DNA damage and induces a Nrf2 response to oxidative stress in rats brain. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 687-700.	1.7	25
57	Adenovirus vector-mediated <i>in vivo</i> gene transfer of nuclear factor erythroid-2p45-related factor 2 promotes functional recovery following spinal cord contusion. <i>Molecular Medicine Reports</i> , 2019, 20, 4285-4292.	1.1	0
58	The heavy metals lead and cadmium are cytotoxic to human bone osteoblasts via induction of redox stress. <i>PLoS ONE</i> , 2019, 14, e0225341.	1.1	52
59	The Effects of Meldonium on the Renal Acute Ischemia/Reperfusion Injury in Rats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5747.	1.8	15
60	Trehalose alleviates cadmium-induced brain damage by ameliorating oxidative stress, autophagy inhibition, and apoptosis. <i>Metallomics</i> , 2019, 11, 2043-2051.	1.0	53
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63	Selenium Compounds in Redox Regulation of Inflammation and Apoptosis. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2019, 13, 277-292.	0.2	4
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65	Targeting Cancer Stem Cell Redox Metabolism to Enhance Therapy Responses. <i>Seminars in Radiation Oncology</i> , 2019, 29, 42-54.	1.0	57
66	Differential response to lead toxicity in rat primary microglia and astrocytes. <i>Toxicology and Applied Pharmacology</i> , 2019, 363, 64-71.	1.3	16
67	Pretreatment with Korean red ginseng or dimethyl fumarate attenuates reactive gliosis and confers sustained neuroprotection against cerebral hypoxic-ischemic damage by an Nrf2-dependent mechanism. <i>Free Radical Biology and Medicine</i> , 2019, 131, 98-114.	1.3	46
68	Impairment of glyoxalase-1, an advanced glycation end-product detoxifying enzyme, induced by inflammation in age-related osteoarthritis. <i>Arthritis Research and Therapy</i> , 2019, 21, 18.	1.6	26
69	Naringenin targets on astroglial Nrf2 to support dopaminergic neurons. <i>Pharmacological Research</i> , 2019, 139, 452-459.	3.1	41
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71	Preparation and appraisal of self-assembled valsartan-loaded amalgamated Pluronic F127/Tween 80 polymeric micelles: Boosted cardioprotection via regulation of Mhrt/Nrf2 and Trx1 pathways in cisplatin-induced cardiotoxicity. <i>Journal of Drug Targeting</i> , 2020, 28, 282-299.	2.1	24
72	Reactive Gliosis Contributes to Nrf2-Dependent Neuroprotection by Pretreatment with Dimethyl Fumarate or Korean Red Ginseng Against Hypoxic-Ischemia: Focus on Hippocampal Injury. <i>Molecular Neurobiology</i> , 2020, 57, 105-117.	1.9	24

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81	Epigallocatechin-3-gallate modulates germ cell apoptosis through the SAFE/Nrf2 signaling pathway. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 663-671.	1.4	8
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90	The Metabolic Heterogeneity and Flexibility of Cancer Stem Cells. Cancers, 2020, 12, 2780.	1.7	33

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91	Effects of Two Kinds of Iron Nanoparticles as Reactive Oxygen Species Inducer and Scavenger on the Transcriptomic Profiles of Two Human Leukemia Cells with Different Stemness. <i>Nanomaterials</i> , 2020, 10, 1951.	1.9	14
92	Sulforaphane prevents age-associated cardiac and muscular dysfunction through Nrf2 signaling. <i>Aging Cell</i> , 2020, 19, e13261.	3.0	64
93	Epigenetic Scanning of KEAP1 CpG Sites Uncovers New Molecular-Driven Patterns in Lung Adeno and Squamous Cell Carcinomas. <i>Antioxidants</i> , 2020, 9, 904.	2.2	7
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99	Ascorbic acid deficiency induces hepatic and intestinal expression of inflammation-related genes irrespective of the presence or absence of gut microbiota in ODS rats. <i>Journal of Nutritional Biochemistry</i> , 2020, 86, 108485.	1.9	4
100	The Synthetic Myeloperoxidase Inhibitor AZD3241 Ameliorates Dextran Sodium Sulfate Stimulated Experimental Colitis. <i>Frontiers in Pharmacology</i> , 2020, 11, 556020.	1.6	19
101	Decoding the rosetta stone of mitonuclear communication. <i>Pharmacological Research</i> , 2020, 161, 105161.	3.1	33
102	Pharmacological activation of Nrf2 promotes wound healing. <i>European Journal of Pharmacology</i> , 2020, 886, 173395.	1.7	42
103	Discovery of 4-Anilinoquinolinylchalcone Derivatives as Potential NRF2 Activators. <i>Molecules</i> , 2020, 25, 3133.	1.7	10
104	Activation of Nrf2 by Natural Bioactive Compounds: A Promising Approach for Stroke?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4875.	1.8	43
105	Redox-mediated regulation of aging and healthspan by an evolutionarily conserved transcription factor HLH-2/Tcf3/E2A. <i>Redox Biology</i> , 2020, 32, 101448.	3.9	10
106	AMPK Enhances Transcription of Selected Nrf2 Target Genes via Negative Regulation of Bach1. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 628.	1.8	8
107	A novel compound DBZ ameliorates neuroinflammation in LPS-stimulated microglia and ischemic stroke rats: Role of Akt(Ser473)/GSK3β(Ser9)-mediated Nrf2 activation. <i>Redox Biology</i> , 2020, 36, 101644.	3.9	105
108	S-adenosyl-L-methionine (SAME) halts the autoimmune response in patients with primary biliary cholangitis (PBC) via antioxidant and S-glutathionylation processes in cholangiocytes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165895.	1.8	16

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109	Characterization of glutathione proteome in CHO cells and its relationship with productivity and cholesterol synthesis. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3448-3458.	1.7	13
110	<i>G6PD</i> overexpression protects from oxidative stress and age-related hearing loss. <i>Aging Cell</i> , 2020, 19, e13275.	3.0	37
111	The NRF2, Thioredoxin, and Glutathione System in Tumorigenesis and Anticancer Therapies. <i>Antioxidants</i> , 2020, 9, 1151.	2.2	74
112	Keratinocyte-Macrophage Crosstalk by the Nrf2/Ccl2/EGF Signaling Axis Orchestrates Tissue Repair. <i>Cell Reports</i> , 2020, 33, 108417.	2.9	40
113	NQO1 protects obese mice through improvements in glucose and lipid metabolism. <i>Npj Aging and Mechanisms of Disease</i> , 2020, 6, 13.	4.5	20
114	Early Transcriptomic Response to OxLDL in Human Retinal Pigment Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8818.	1.8	8
115	Oleuropein Aglycone Peracetylated (3,4-DHPEA-EA(P)) Attenuates H <sub>2</sub> O <sub>2</sub> -Mediated Cytotoxicity in C2C12 Myocytes via Inactivation of p-JNK/p-c-Jun Signaling Pathway. <i>Molecules</i> , 2020, 25, 5472.	1.7	3
116	Unraveling the Mystery of Cold Stress-Induced Myocardial Injury. <i>Frontiers in Physiology</i> , 2020, 11, 580811.	1.3	17
117	Zinc in the Brain: Friend or Foe?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8941.	1.8	53
118	Revealing Temozolomide Resistance Mechanisms via Genome-Wide CRISPR Libraries. <i>Cells</i> , 2020, 9, 2573.	1.8	24
119	Nuclear Factor Erythroid 2 Related Factor 2 Activator JC-5411 Inhibits Atherosclerosis Through Suppression of Inflammation and Regulation of Lipid Metabolism. <i>Frontiers in Pharmacology</i> , 2020, 11, 532568.	1.6	8
120	Comparative label-free proteomic analysis of equine osteochondrotic chondrocytes. <i>Journal of Proteomics</i> , 2020, 228, 103927.	1.2	5
121	Role of hydrogen sulfide in cardiovascular ageing. <i>Pharmacological Research</i> , 2020, 160, 105125.	3.1	35
122	Chronic Voluntary Binge Ethanol Consumption Causes Sex-Specific Differences in Microglial Signaling Pathways and Withdrawal-associated Behaviors in Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2020, 44, 1791-1806.	1.4	22
123	Probulcon enhances the therapeutic efficiency of mesenchymal stem cells in the treatment of erectile dysfunction in diabetic rats by prolonging their survival time via Nrf2 pathway. <i>Stem Cell Research and Therapy</i> , 2020, 11, 302.	2.4	21
124	Activation of NRF2 ameliorates oxidative stress and cystogenesis in autosomal dominant polycystic kidney disease. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	61
125	Sodium tanshinone IIA sulfonate attenuates silica-induced pulmonary fibrosis in rats via activation of the Nrf2 and thioredoxin system. <i>Environmental Toxicology and Pharmacology</i> , 2020, 80, 103461.	2.0	20
126	BML-111 treatment prevents cardiac apoptosis and oxidative stress in a mouse model of autoimmune myocarditis. <i>FASEB Journal</i> , 2020, 34, 10531-10546.	0.2	13



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127	The role of sodium thiocyanate supplementation during dextran sodium sulphate-stimulated experimental colitis. <i>Archives of Biochemistry and Biophysics</i> , 2020, 692, 108490.	1.4	5
128	Disabling MNK protein kinases promotes oxidative metabolism and protects against diet-induced obesity. <i>Molecular Metabolism</i> , 2020, 42, 101054.	3.0	18
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130	Autophagy Upregulation by the TFEB Inducer Trehalose Protects against Oxidative Damage and Cell Death Associated with NRF2 Inhibition in Human RPE Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-18.	1.9	17
131	Short-term effects of deoxynivalenol, T-2 toxin, fumonisin B1 or ochratoxin on lipid peroxidation and glutathione redox system and its regulatory genes in common carp ( <i>Cyprinus carpio</i> L.) liver. <i>Fish Physiology and Biochemistry</i> , 2020, 46, 1921-1932.	0.9	8
132	The Influence of Reactive Oxygen Species in the Immune System and Pathogenesis of Multiple Sclerosis. <i>Autoimmune Diseases</i> , 2020, 2020, 1-14.	2.7	56
133	KEAP1, a cysteine-based sensor and a drug target for the prevention and treatment of chronic disease. <i>Open Biology</i> , 2020, 10, 200105.	1.5	68
134	Fasting Drives Nrf2-Related Antioxidant Response in Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7780.	1.8	13
135	Ionizing Radiation and Translation Control: A Link to Radiation Hormesis?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6650.	1.8	13
136	17 $\beta$ -Estradiol strongly inhibits azoxymethane/dextran sulfate sodium-induced colorectal cancer development in Nrf2 knockout male mice. <i>Biochemical Pharmacology</i> , 2020, 182, 114279.	2.0	10
137	Sulodexide increases mRNA expression of glutathione-related genes in human umbilical endothelial cells exposed to oxygen-glucose deprivation. <i>Archives of Medical Science</i> , 2020, 16, 1444-1447.	0.4	1
138	Genetic Polymorphism of the Nrf2 Promoter Region (rs35652124) Is Associated with the Risk of Diabetic Foot Ulcers. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-9.	1.9	13
139	Atypical Antipsychotic Drug Ziprasidone Protects against Rotenone-Induced Neurotoxicity: An In Vitro Study. <i>Molecules</i> , 2020, 25, 4206.	1.7	9
140	Heme oxygenase 1 protects human colonocytes against ROS formation, oxidative DNA damage and cytotoxicity induced by heme iron, but not inorganic iron. <i>Cell Death and Disease</i> , 2020, 11, 787.	2.7	49
141	Supplementation Effect of a Combination of Olive ( <i>Olea europea</i> L.) Leaf and Fruit Extracts in the Clinical Management of Hypertension and Metabolic Syndrome. <i>Antioxidants</i> , 2020, 9, 872.	2.2	16
142	Honokiol Protects the Kidney from Renal Ischemia and Reperfusion Injury by Upregulating the Glutathione Biosynthetic Enzymes. <i>Biomedicines</i> , 2020, 8, 352.	1.4	24
143	The BXD21/TyJ recombinant inbred strain as a model for innate inflammatory response in distinct brain regions. <i>Scientific Reports</i> , 2020, 10, 13168.	1.6	3
144	Transcriptional Changes Involved in Atrophying Muscles during Prolonged Fasting in Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5984.	1.8	6

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303	Omaveloxolone: potential new agent for Friedreich ataxia. <i>Neurodegenerative Disease Management</i> , 2021, 11, 91-98.	1.2	12
304	The Unity of Redox and Structural Remodeling of Brown Adipose Tissue in Hypothyroidism. <i>Antioxidants</i> , 2021, 10, 591.	2.2	2
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306	Reactive Oxygen Species in intestinal stem cell metabolism, fate and function. <i>Free Radical Biology and Medicine</i> , 2021, 166, 140-146.	1.3	25
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387	Spinal Nrf2 translocation may inhibit neuronal NF- $\kappa$ B activation and alleviate allodynia in a rat model of bone cancer pain. <i>Journal of Neurochemistry</i> , 2021, 158, 1110-1130.	2.1	14
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389	Transcriptomics analysis of Nrf2 regulators in cancer resistant and long-lived naked mole-rats. <i>Acibadem Universitesi Saglik Bilimleri Dergisi</i> , 2021, 12, .	0.0	0
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431	Dietary rational targeting of redox-regulated genes. <i>Free Radical Biology and Medicine</i> , 2021, 173, 19-28.	1.3	4
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